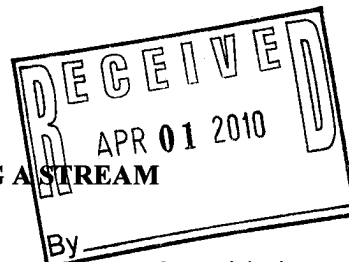


**COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER**

**APPLICATION FOR PERMIT TO CONSTRUCT ACROSS OR ALONG A STREAM
AND / OR WATER QUALITY CERTIFICATION**



Chapter 151 of the Kentucky Revised Statutes requires approval from the Division of Water prior to any construction or other activity in or along a stream that could in any way obstruct flood flows or adversely impact water quality. If the project involves work in a stream, such as bank stabilization, dredging or relocation, you will also need to obtain a 401 Water Quality Certification (WQC) from the Division of Water. This completed form will be forwarded to the Water Quality Branch for WQC processing. The project may not start until all necessary approvals are received from the KDOW. For questions concerning the WQC process, contact the WQC section at 502/564-3410.

If the project will disturb one or more acres of land, or if the project is part of a larger common plan of development or sale that ultimately will disturb one or more acres, you will also need to complete a Notice of Intent for general permit coverage for storm water discharges associated with construction activities (NOI-SWCA). This general permit will require you to create and implement an erosion control plan for the project. You may find the forms for Kentucky Pollution Discharge Elimination System (KPDES) at the KPDES Web site http://www.water.ky.gov/homepage_repository/kpdes_permit_aps.htm. Return forms to the Floodplain Management Section of the KDOW.

1. OWNER: US Army Corps of Engineers 20304A
Give name of person(s), company, governmental unit, or other owner of proposed project.
MAILING ADDRESS: P.O. Box 1070, Nashville, TN 37202-1070

TELEPHONE #: 615-736-5268 EMAIL: Johnny.Wilmore@usace.army.mil

2. AGENT: Chip Hall
Give name of person(s) submitting application, if other than owner.
ADDRESS: P.O. Box 1070, Nashville, TN 37202-1070

TELEPHONE #: 615-736-7666 EMAIL: Chip.HaLL@us.army.mil

3. ENGINEER: _____ P.E. NUMBER: _____
Contact Division of Water if waiver can be granted.
TELEPHONE #: _____ EMAIL: _____

4. DESCRIPTION OF CONSTRUCTION: _____
Describe the type and purpose of construction and describe stream/wetland impact

See Attached

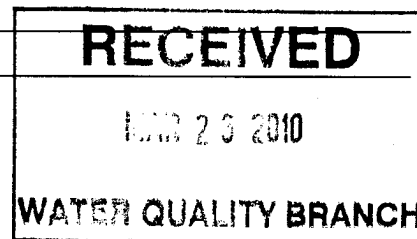
5. COUNTY: Harlan NEAREST COMMUNITY: Cumberland

6. USGS QUAD NAME Benham LATITUDE/LONGITUDE: N 36-54-02, W 82-58-24

7. STREAM NAME: Johnny.Wilmore@usace.army.mil WATERSHED SIZE (in acres): _____

8. LINEAR FEET OF STREAM IMPACTED AND/OR ACRES OF WETLAND IMPACT: _____
approximately 160 feet

9. DIRECTIONS TO SITE: From Harlan, follow US 119 north approximately 22.5 miles. Turn left onto KY 1254 (Kingdom Come Drive). Follow KY 1254 approximately 0.4 miles. Turn left onto Bridge Street and the project site will be approximately 0.1 miles on your right.



10. IS ANY PORTION OF THE REQUESTED PROJECT NOW COMPLETE? ☐ Yes ☒ No If yes, identify the completed portion on the drawings you submit and indicate the date activity was completed. DATE: _____

11. ESTIMATED BEGIN CONSTRUCTION DATE: _____

12. ESTIMATED END CONSTRUCTION DATE: _____

13. HAS AN APPLICATION BEEN SUBMITTED TO THE US ARMY, CORPS of ENGINEERS? ☐ Yes ☒ No

14. AN APPLICANT FOR A PERMIT TO CONSTRUCT ACROSS OR ALONG A STREAM MUST ADDRESS PUBLIC NOTICE:

(a) PUBLIC NOTICE HAS BEEN GIVEN FOR THIS PROPOSAL BY THE FOLLOWING MEANS:

_____ Public notice in newspaper having greatest circulation in area (provide newspaper clipping or affidavit)

_____ Adjacent property owner(s) affidavits (Contact Division of Water for requirements.)

(b) _____ I REQUEST WAIVER OF PUBLIC NOTICE BECAUSE:

_____ Contact Division of Water for requirements.

* PUBLIC NOTICE FOR 401 WATER QUALITY CERTIFICATIONS IS GOVERNED BY 401 KAR 9:010

15. I HAVE CONTACTED THE FOLLOWING CITY OR COUNTY OFFICIALS CONCERNING THIS PROJECT:
Mark Lewis, City of Cumberland Floodplain Coordinator

_____ Give name and title of person(s) contacted and provide copy of any approval city or county may have issued.

16. LIST OF ATTACHMENTS: _____

_____ List plans, profiles, or other drawings and data submitted. Attach a copy of a 7.5 minute USGS topographic map clearly showing the project location.

_____ Construction Plan, Plans including cross-section of bridge and stream crossing, topo map

17. I, _____ (owner) CERTIFY THAT THE OWNER OWNS OR HAS EASEMENT RIGHTS ON ALL PROPERTY ON WHICH THIS PROJECT WILL BE LOCATED OR ON WHICH RELATED CONSTRUCTION WILL OCCUR (for dams, this includes the area that would be impounded during the design flood).

18. REMARKS: This application is for modification of existing WQC. Please reference AI No. 847176
Activity ID: APE20070001

I hereby request approval for construction across or along a stream as described in this application and any accompanying documents. To the best of my knowledge, all the information provided is true and correct.

SIGNATURE: _____

J. E. Wilmore

Owner or Agent sign here. (If signed by Agent, a Power of Attorney should be attached.)

DATE: 3-25-2010

SIGNATURE OF LOCAL FLOODPLAIN COORDINATOR: _____

Permit application will be returned to applicant if not properly endorsed by the local floodplain coordinator.

DATE: _____

SUBMIT APPLICATION AND ATTACHMENTS TO:

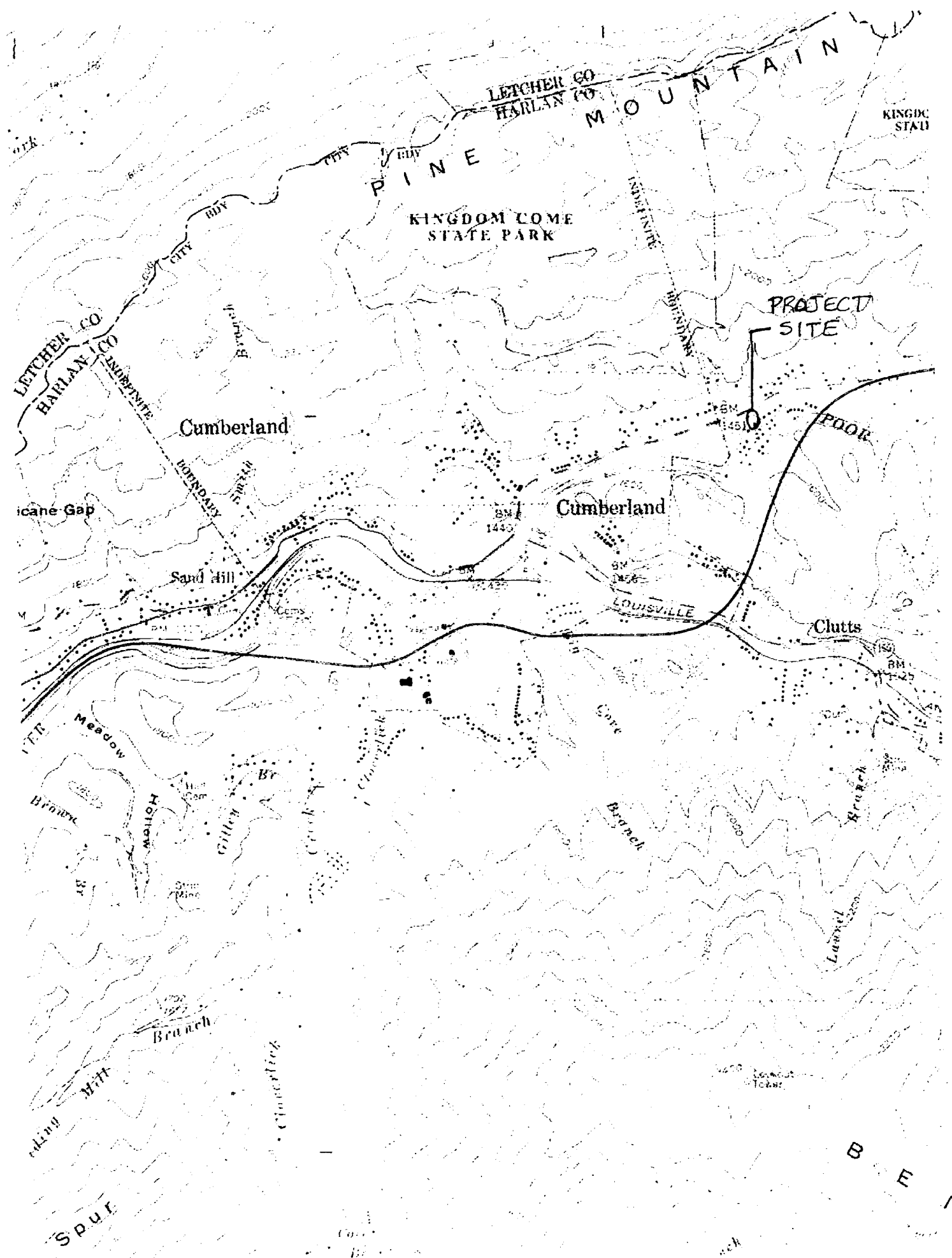
Floodplain Management Section
Division of Water
200 Fair Oaks Lane
Frankfort, KY 40601

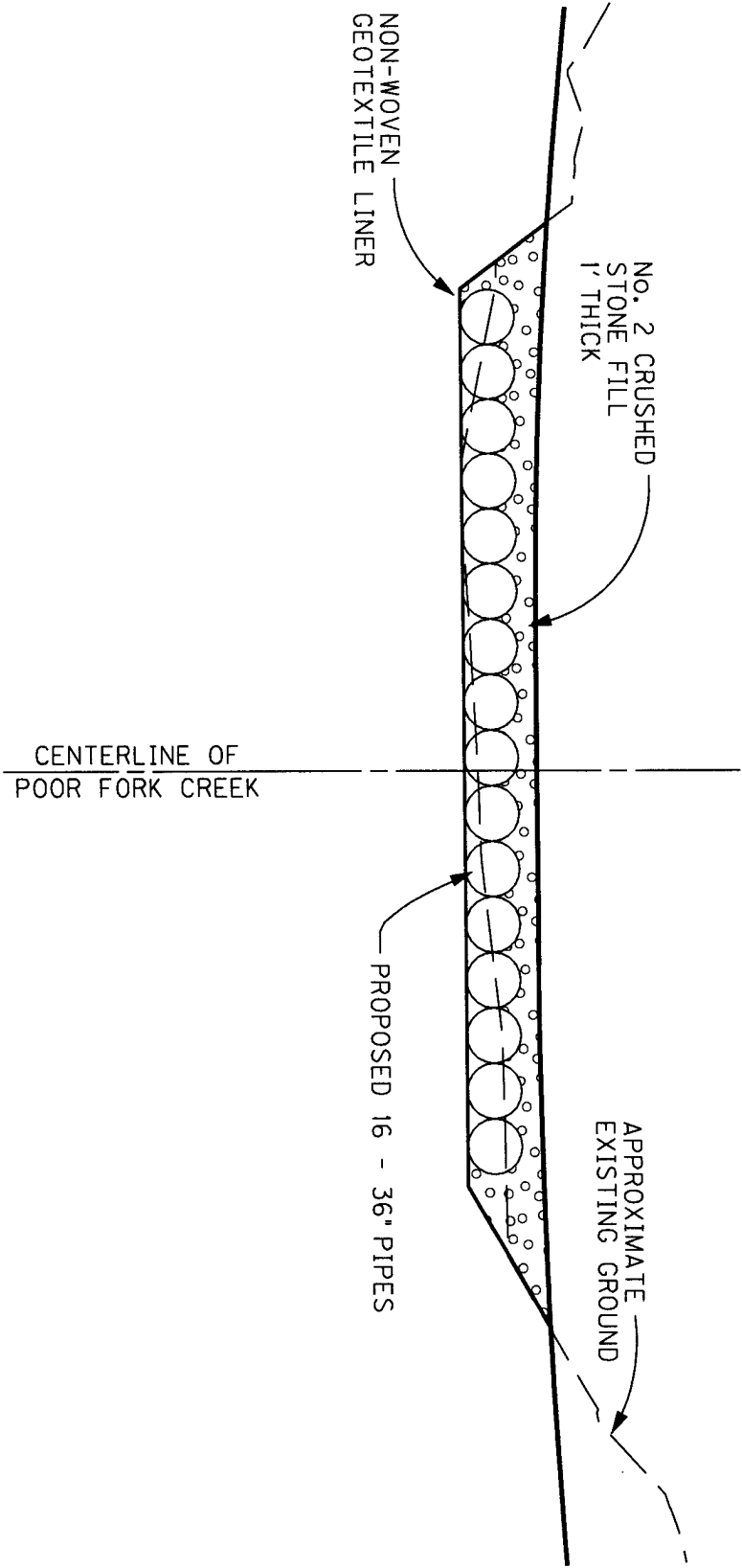
City of Cumberland
Bridge Street Bridge

Construction Plan

Bridge Street Bridge:

1. Construct bridge substructure. The substructure consists of integral end bents at each end of the bridge. There are no piers constructed in the streambed. End bents are constructed with steel h-piles driven to rock refusal and concrete cap beams.
2. Construct stream crossing approximately 180 feet downstream of existing Bridge St. Bridge.
3. Construct bridge superstructure. Superstructure is made up of pre-stressed concrete box beams and a cast-in-place concrete bridge deck.
4. Construct sheet pile walls 5'-0" inside east face of curb. Top of wall elevation to match finish grade. Sheet pile walls shall be driven to rock refusal.
5. Construct western portion of approached up to the sheet pile walls.
6. Pave west lane.
7. Demolish existing bridge, existing pier, and remove existing approaches.
8. Construct east wing walls.
9. Construct remaining earthwork of approached and pull sheet pile walls.
10. Place riprap on embankment under proposed bridge, at location of demolished existing bridge and 30 feet upstream and downstream of both the new and old bridges.
11. Construct east portion of approaches and tie-ins to Kingdom Parkway and Fairchild Road.





TEMPORARY STREAM CROSSING NOTES

The temporary low water crossing will be constructed using 16 - 36" pipes underlaid with non-woven geotextile liner and covered with No. 2 crushed stone one foot thick. The stream will be further protected by silt fence and silt traps type B as shown in the plan view.

The temporary crossing will be placed and removed from the banks. No equipment will be in the stream during installation or removal operations. The stone will be removed to an off-site disposal area. Disturbed areas will be seeded and mulched. Upon establishment of an adequate stand of grass, the silt fence will be removed.

Not To Scale

Bridge Street
Temporary Stream Crossing
Typical Section